

Report Date: 14 Apr 2014

Summary Report for Individual Task
551-88K-4724
Operate Broadband Global Area Network (INMARSAT)
Status: Approved

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: Assigned as a Mate or Boatswain, given a complete risk assessment, an Operational Plan/Operations Order (OPLAN/OPORDER), a vessel in port or at sea, all applicable publications, forms, and records, tools, materials, personnel, equipment in all weather conditions day or night and all MOPP levels in an operational environment scenario.

Standard: On order, Soldier will properly operate the INMARSAT Satellite Communications System to support watercraft operations.

Special Condition: None

Safety Level: Low

MOPP:

Task Statements

Cue: None

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: A non-license soldier can only perform this task under the supervision of a licensed trainer, mate or the vessel master using the references to demonstrate the operation of the INMARSAT system. A licensed Soldier can perform this task IAW the applicable operation manual.

Performance Steps

1. Refer to operators manual for C4ISR suite for specific vessel.

Note: Switching on the INMARSAT also turns on the handset display and the antenna unit. The INMARSAT should normally be switched on at all times.

2. Perform initial set-up of INMARSAT system

Note: Initiating a self-test takes from 1–3 minutes to initialize. The INMARSAT unit retains the gyro, azimuth and elevation data when the terminal is switched off. When switching on, the antenna is automatically pointed in the same direction it had before switching off.

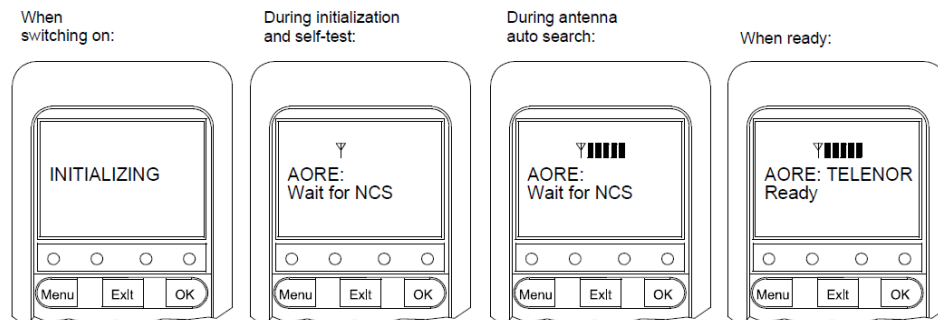


Figure 3. Self-Test LCD Displays

Self Test LCD Displays on INMARSAT handset

3. Set user/operator level
4. Set heading and ocean region

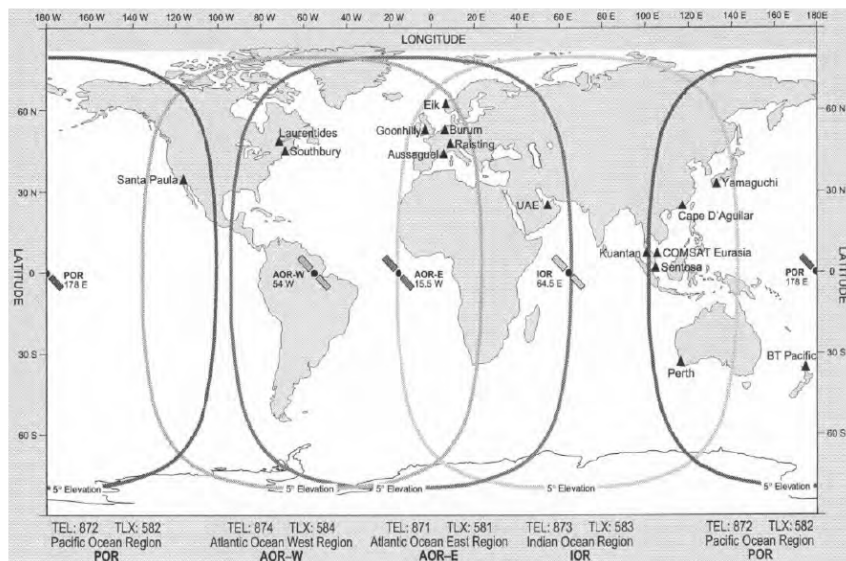


Figure 28. Ocean Region Chart

- a. set default Land Earth Station (LES)
- b. verify LES capabilities
- c. perform INMARSAT distress alarm test

5. Program the INMARSAT system

- a. Set date and time
- b. Configure terminal ports
- c. Program distress alarms

6. Use handset to make call

- a. ensure handset is in idle mode
- b. verify phone is in "off" hook mode
- c. select use loudspeaker or handset
- d. use push to talk method to speak
 - (1) press and hold the LES/PTT key to talk
 - (2) release the LES/PTT key to listen
- e. press ESC key (3) to end call and return to previous menu

7. Display call duration

8. Display alarm messages

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the soldier a GO if all performance measures are correctly completed/pass (P). Score the Soldier a NO-GO if any of the performance measures are missed or incorrectly performed/fail (F).

Evaluation Preparation: Test this task in conjunction with Basic Navigation assessment. Ensure Soldier understands why this task is important to the overall safe navigation of the vessel.

Ensure soldier understands the difference between the three forms of direction: True/Magnetic/Compass.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Referred to operators manual for C4ISR suite for specific vessel.			
2. Performed initial set-up of INMARSAT system.			
3. Set appropriate user/operator level			
4. Set appropriate heading and ocean region.			
5. Programmed the INMARSAT system.			
6. Utilized handset to make call			
7. Displayed call information			
8. Displayed alarm messages			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	FM 55-501 (Superseded)	(Superseded by TC 4-15.51, 3 MAY 2013) MARINE CREWMANS HANDBOOK	Yes	No
	PUB. NO. 9	The American Practical Navigator - Bowditch	Yes	No
	TM 55-5825-311-10-1	OPERATORS MANUAL FOR U.S. ARMY WATERCRAFT COMMAND, CONTROL,	No	Yes

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste.

Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained: -Hazardous materials program.

- -Hazardous waste program.
- -Hazardous communications program.
- -Pollution prevention and hazardous waste minimization recycling program
- -Spill prevention and response plan program.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-3704	Monitor Emergency Radio Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3711	Operate Tactical Satellite Communications Radio	551 - Transportation (Individual)	Approved
551-88K-3712	Conduct COMSEC Operation	551 - Transportation (Individual)	Approved
551-88K-3713	Operate an Automated Network Control Device (ANCD)	551 - Transportation (Individual)	Approved
551-88K-3702	Operate Tactical Radio Onboard a Vessel	551 - Transportation (Individual)	Approved

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-3510	Monitor Rescue Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3702	Operate Tactical Radio Onboard a Vessel	551 - Transportation (Individual)	Approved
551-880-8011	Render Assistance to a Disabled Vessel	551 - Transportation (Individual)	Analysis
551-880-8008	OPERATE A CLASS A1 VESSEL	551 - Transportation (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-3710	Comply With Aids to Navigation Standards	551 - Transportation (Individual)	Approved
551-88K-3704	Monitor Emergency Radio Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3706	Monitor a Vessel Electronic Gyro System	551 - Transportation (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0047	Perform Search and Rescue Operations	55 - Transportation (Collective)	Approved
55-2-0072	Send Operational Reports to Battalion Headquarters	55 - Transportation (Collective)	Approved
55-2-0080	Provide Operational Control for Vessels	55 - Transportation (Collective)	Approved
55-2-0014	Perform Recovery Operations from a Trailer Transfer Point	55 - Transportation (Collective)	Approved
55-2-0079	Set Up Harbormaster Mission Command Center (HCCC)	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator SL 4	Enlisted	MOS: 88K, Skill Level: SL4, Duty Pos: TFJ